

## AMENDMENTS TO THE SPECIFICATION

Please amend the following heading and subheadings, found on Page 1 of the original Specification:

### BACKGROUND OF THE INVENTION

1. ~~Technical Field~~

2. ~~Description of the Related Art~~

On Page 4 of the original Specification, please amend the heading and replace paragraph [0009] with paragraphs [0009] and [0010] as presented herein:

### SUMMARY OF THE INVENTION

[0009] ~~The present invention is directed to a method and system for providing an address of a remote management processor to a management server. When setting up a Dynamic Host Configuration Protocol (DHCP) server, the administrator configures a private Option in the DHCP server. The Option data contains the IP address of the management server designated to use the remote management processor. When the remote management processor powers up, it sends a request for an IP address to the DHCP server, which returns both the requested IP address as well as the Option data. The firmware in the management processor is capable of reading and interpreting the option data, and sends the management server, plus any other configured destinations, the IP address of the remote management processor in an Alert packet. The management server is thus notified that the remote management processor is on line and available to manage the remote hardware server for the management server. In one embodiment, a method and/or computer program product provides an internet protocol (IP) address of at least one remote management processor to a management server. An IP address issuing computer is configured to include a plurality of IP addresses that are available and authorized to be assigned~~

to at least one remote management processor, which is coupled to a remote hardware server. The IP address issuing computer contains Option data associated with each remote management processor. The Option data includes an IP address of the management server that is able to access information about hardware resources disposed within the remote hardware server. A request is sent, from the remote management processor to the IP address issuing computer, for an IP address to be assigned to the remote management processor. In response to this request, the remote management processor receives an acknowledgement packet from the IP issuing computer. This acknowledgment packet includes the requested IP address assigned to the remote management processor and the Option data. Local code in the remote management processor searches the Option data for an IP address of the management server. An alert packet, which includes the requested IP address for the remote management processor and that IP address' shelf life, is automatically sent to the management server.

[0010] In one embodiment, a system provides an internet protocol (IP) address of at least one remote management processor to a management server. The system comprises: a management server, at least one remote management processor, and an IP address issuing computer. The remote management processor is coupled to the management server through a network, and is also coupled to a remote hardware server. The management server is configured to communicate via the network with the remote management processor to access information about hardware resources disposed within the remote hardware server. The IP address issuing computer is also connected to the remote management processor through the network. The IP address issuing computer includes a plurality of IP addresses that are available and authorized to be assigned to the remote management processor. The IP address issuing computer also includes Option data that is associated with the remote management processor. This Option data includes an IP address of the management server. The remote management processor sends a request to the IP address issuing computer for an IP address to be assigned to the remote management processor. In response to receiving the request from the remote management processor, the IP address issuing computer assigns an IP address to the remote management processor and sends an acknowledgment packet to the remote management processor. This acknowledgement packet includes the assigned IP address and the Option data. Local code in the remote management processor searches the Option data for the IP address of the management server, which is used as

a destination address for sending an alert packet, which includes the IP address of the remote management processor and its shelf life. This alert packet is automatically sent from the remote management processor to the management server in order to enable network communication between the management server and the remote management processor.

Please amend the heading found on page 5 of the original Specification:

BRIEF DESCRIPTION OF THE SEVERAL VIEWS OF THE DRAWINGS

Please amend the heading found on page 6 of the original Specification:

~~DETAILED DESCRIPTION OF THE PREFERRED EMBODIMENT~~

Please amend the Abstract as indicated:

ABSTRACT

~~MANAGING A REMOTE SUB-SYSTEM PROCESSOR'S IP ADDRESS~~